

Item	Quan/Bd	Qty/PP	Reference	Part	Description mfr part/stk number	Ucost	cost total	QTY/PP	Upgrade						
		2					per PP	10	total						
					Patch Panel Board Parts										
1	16	32	J1-J16	CON8	103169-2 CONN HEADER VERT .100 8 POS 30AU AMP/Tyco Electronics A26817-ND	\$0.77	\$24.64	320	\$246.40						
2	4	8	J17-J20	CON34	1-103168-5 CONN HEADER VERT .100 34POS 30AU Digikey A26744-ND	\$2.37	\$18.96	80	\$189.60						
3	2	4	J21-J24	CON36	Connector 3M #10236-6212VC 36 pin MDR connector. 3M 10236-6212VC	\$2.80	\$11.20	40	\$112.00						
4	64	128	R1-R64	R0603	ohm 200ppm SM RES-THICK FILM 0603 5% 1/10W	\$0.0030	\$0.38	1280	\$3.84						
5	8	16	RN1-RN8	RN510-8	766163511G RES-NET ISO 510 OHM 16-PIN SMD CTS 766-163-R510-ND Digikey	\$0.24	\$3.78	160	\$37.76						
6	1	2			Patch panel Printed circuit boards 2 layer 8 x 3x 0.062 Vendor	\$16.00	\$32.00	20	\$320.00						
7	1	2			Board assembly cost for patch panel	\$29.00	\$58.00	20	\$580.00						
									\$1,489.60						
					Purchase resolution proposal to close out purchase order 564408						Money already paid	Current obligations	Future obligations	Credits negotiated	Total obligations for 87 ATC
					Our cost incurred for bad patch panel boards manufacturing				\$1,489.60						
		55			Patch panel boards not assembled	\$5.33	\$293.15								
					Bad patch panel boards and assembly				\$1,782.75		\$1,782.75				
									-\$1,782.75	negotiated credit				-\$1,782.75	
		25			original order of ATC cards				\$2,725.00	D014474;prototype layout	\$2,725.00				
		75			followup order of ATC cards				\$4,500.00	564408, production layout		\$4,500.00			
		25			Pentaplex cost incurred for bad ATC design our fault	\$60.00			\$1,500.00	100 ordered plus another 25 built. 25 prototype, 100 production received. 0 of 25 prototype usable. 65 of 100 production usable. 35 of production run bad. Net 65 usable boards.		\$1,500.00			
		22			boards needed to finish ATC with spares total 87 needed.	\$60.00			\$1,320.00	new order to be placed to obtain required total of 87 usable boards.			\$1,320.00		
		13			Pentaplex has agreed to ship us the 22 boards only to bill us for an additional 13 for a total of 90 on invoice. Current invoice is for 77	\$60.00			\$780.00	JBG has negotiated a credit against line 20 above.				-\$540.00	
															\$4,997.25
										amount already in MMS					\$4,500.00
										change req amount					\$497.25